



Multiple Activity Networks

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The ePM Team has reached another major milestone and the culmination of about four years worth of strategic planning and careful execution leading to the deployment of Multiple Activity Networks (MAN). Last month, during training sessions at all four regions and at the 2005 UDOT Engineering Conference, the following new networks were introduced:

- Concept Report
- Environmental
- Orange Book

These new networks were developed in response to a need for more accurate modeling of projects within ePM. For years, Project Managers have "lied" to the system in an effort to force their projects into the sequence of activities provided by the original Design Process Network (formerly 08-1). The availability of these new networks is a major step toward increasing data quality and reliability of data output.

A QIT is underway fleshing out the Local Government network and there are plans to develop a new design network in addition to signal project, ATMS and Purple Book networks. Due to limited resources and significant time requirements to develop a major new

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network (i.e. design process) the ePM Team, together with Engineering Services, is exploring the possibility to develop interim networks, thus shortening the development cycle while fulfilling an immediate need for additional networks.

Following is a brief overview of each network:

Concept Report

This network contains all activities required to produce a concept report for any given project, including holding a concept meeting. A pdf copy of the network can be downloaded from:

<http://www.udot.utah.gov/download.php/tid=722/ConceptProcess.pdf>

All activities included in this network and their associated tasks are explained in the Concept Phase Design Process Manual, also available for download from:

<http://www.udot.utah.gov/download.php/tid=721/ConceptPhaseDesignProcess.pdf>

Environmental

This network contains all activities required to develop an environmental document for any given project requiring an Environmental Assessment (EA) or Environmental Impact Statement (EIS). A pdf copy of the network can be downloaded from:

<http://www.udot.utah.gov/download.php/tid=722/EnvEASProcess.pdf>

All activities included in this network and their associated tasks are explained in the EA/EIS Process Manual, currently in its finishing stages of preparation (soon available in the Design Process Manual webpage of Project Management's site)

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Orange Book

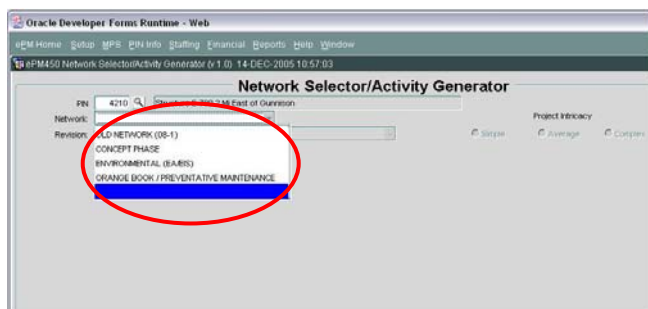
This network contains all activities required to produce an orange book project, including Public Involvement and Roadway Plans. A pdf copy of the network can be downloaded from:

<http://www.udot.utah.gov/download.php/tid=722/OrangeBook.pdf>

All activities included in this network and their associated tasks are explained in the Orange Book Design Process manual, also available for download from:

http://www.udot.utah.gov/download.php/tid=721/Orange_Book_Design_Process.pdf

Several activity networks may be used to model the design/preconstruction process for any given PIN. In other words, a user may setup different activity networks for the same PIN in order to better model that project (see Figure). It should be noted that budgets and estimates continue to be managed at the PIN level and are not segregated by network in ePM.



As part of the enhancements recently introduced with this latest effort, the Concept Design phase will now open in April, following approval of the Draft STIP by the Transportation Commission.

MAN (Version 1: ADAM)

Those who recently attended one of several training sessions provided by the ePM Team should have received a copy of the Multiple Activity Networks (MAN), Additional Design Activity Manual (ADAM, version 1).

The MAN is a hard copy of the newly developed activity networks (see page 1 for more details) including Concept Report, EA/EIS, and Orange Book. A copy of the original Design Process Network Chart is also included with this manual.

As stated in the preceding article, additional activity networks are currently under development. And may be joined by provisional design networks in the near future. The MAN will be updated periodically (with a new version release) to reflect those changes and contain the latest and most complete version of all available ePM activity networks. Contact Griff Campbell (griffcampbell@utah.gov) for a copy of the MAN.

Happy Holidays!



WHERE DO I FIND PREVIOUS ISSUES OF EPM NEWS?

Back issues of *ePM News* can be downloaded from the ePM webpage at <http://www.udot.utah.gov/index.php/m=c/tid=716> from the Downloads window (left side of the screen; it contains a complete listing of all newsletters published to date). Alternatively, users may follow the [ePM News](#) hyperlink under Article Listing at the bottom of the same webpage.